

# SIEMENS



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## MAGNETOM Avanto

MRI Excellence in 1.5T

### MAGNETOM Mobile MRI Solutions— Driving Innovation

For ultra-fast image acquisition. For a dramatic reduction in acoustic noise without compromising gradient performance. For the most comprehensive application range available today. For fast return of investment. For truly seamless workflow automation.

MAGNETOM® Avanto. From a clinical, business, and patient perspective, it looks different. It sounds different. And it works different. Welcome to MRI Excellence in 1.5T.

#### Clinical perspective:

- Exceptional magnet homogeneity for excellent fat saturation
- Large 50-cm Field of View (FoV)
- Strong gradients for high resolution and short scan times
- Unparalleled flexibility, accuracy, and speed—thanks to Tim®
- Broad range of dedicated applications

#### Patient perspective:

- Short exam times with iPAT
- Up to 97% acoustic noise reduction with AudioComfort
- Feet-first examinations with Tim
- No patient repositioning with Tim
- Ultra-lightweight coils with Tim (Body Matrix 950 g only)
- High level of diagnostic confidence

#### Business perspective:

- Zero helium boil-off
- Low power requirements and cooling demands
- Fewer purchases of dedicated coils
- Higher patient throughput with shortened examination times—thanks to Tim



Answers for life.

# Broad range of applications

## Head, shoulder, knee, or toe?

MAGNETOM Avanto gives you total flexibility, with innovative applications for each part of the body. And only Tim seamlessly scans up to 205 cm with no patient repositioning or coil changes. For true whole-body functionality.

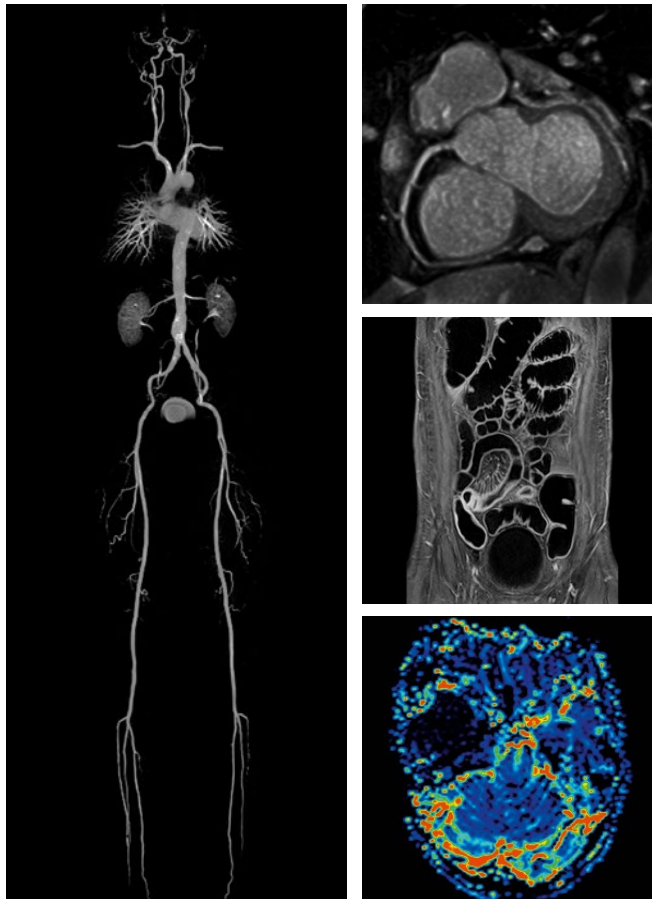
## MAGNETOM Avanto MRI Excellence in 1.5T

### MAGNETOM Avanto Tim [32x8]

- 8 truly independent RF channels
- Q-engine: 33mT/m@125T/m/s
- 50 cm FoV

### MAGNETOM Avanto Tim + Dot [76x18] and [76x32]

- 18- or 32-channel option
- SQ-engine option: 45mT/m@200T/m/s
- 50 cm FoV



## Fat saturation

MAGNETOM Avanto excels in cardiac MRI. With strong gradients, superb Parallel Imaging with *syngo* GRAPPA, and high magnet homogeneity. Everything desired for heart MRI.

## Large FoV

50-cm Field of View provides a perfect view of pathologies.

## wholeANGIO

With the flexibility of Tim's coil combinations, any Field of View up to 205 cm can be addressed. Accurate to see tiny vessels. And fast with Parallel Imaging from head to toe: TA 1:27 min.

## Perfusion MRI

With strong gradients, MAGNETOM Avanto delivers excellent temporal and spatial resolution.

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